

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
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Application Serial Number: 101522,427  
Source: PCT  
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PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/522,427

DATE: 03/01/2005

TIME: 10:00:50

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\03012005\J522427.raw

3 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation  
 W--> 4 <120> TITLE OF INVENTION: Expression system  
 W--> 5 <130> FILE REFERENCE: 13447210  
 C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/522,427  
 C--> 6 <141> CURRENT FILING DATE: 2005-01-25  
 W--> 6 <160> NUMBER OF SEQ ID: 40  
 7 <170> SOFTWARE: PatentIn version 3.2  
 9 <210> SEQ ID NO: 1  
 10 <211> LENGTH: 30  
 11 <212> TYPE: PRT  
 12 <213> ORGANISM: Artificial Sequence  
 W--> 13 <220> FEATURE:  
 14 <223> OTHER INFORMATION: signal sequence  
 W--> 15 <400> SEQUENCE: 1  
 16 Met Lys Lys Arg Arg Val Val Asn Ser Val Leu Leu Leu Leu Leu  
 17 1 5 10 15  
 18 Ala Ser Ala Leu Ala Leu Thr Val Ala Pro Met Ala Lys Ala  
 19 20 25 30  
 21 <210> SEQ ID NO: 2  
 22 <211> LENGTH: 46  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Artificial Sequence  
 W--> 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: signal sequence  
 W--> 27 <400> SEQUENCE: 2  
 29 Met Glu Ala Arg Met Thr Gly Arg Arg Lys Val Thr Arg Arg Asp Ala  
 30 1 5 10 15  
 31 Met Ala Asp Ala Ala Arg Ala Val Gly Val Ala Cys Leu Gly Gly Phe  
 32 20 25 30  
 33 Ser Leu Ala Ala Leu Val Arg Thr Ala Ser Pro Val Asp Ala  
 34 35 40 45  
 36 <210> SEQ ID NO: 3  
 37 <211> LENGTH: 41  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Artificial Sequence  
 W--> 40 <220> FEATURE:  
 41 <223> OTHER INFORMATION: signal sequence  
 W--> 42 <400> SEQUENCE: 3  
 43 Met Ser Arg Ser Ala Lys Pro Gln Asn Gly Arg Arg Arg Phe Leu Arg  
 44 1 5 10 15  
 45 Asp Val Val Arg Thr Ala Gly Gly Leu Ala Ala Val Gly Val Ala Leu  
 46 20 25 30  
 47 Gly Leu Gln Gln Gln Thr Ala Arg Ala

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48 35 40  
50 <210> SEQ ID NO: 4  
51 <211> LENGTH: 27  
52 <212> TYPE: PRT  
53 <213> ORGANISM: Artificial Sequence  
W--> 54 <220> FEATURE:  
55 <223> OTHER INFORMATION: signal sequence  
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57 Met Thr Trp Ser Arg Arg Gln Phe Leu Thr Gly Val Gly Val Leu Ala  
58 1 5 10 15  
59 Ala Val Ser Gly Thr Ala Gly Arg Val Val Ala  
60 20 25  
62 <210> SEQ ID NO: 5  
63 <211> LENGTH: 27  
64 <212> TYPE: PRT  
65 <213> ORGANISM: Artificial Sequence  
W--> 66 <220> FEATURE:  
67 <223> OTHER INFORMATION: signal sequence  
W--> 68 <400> SEQUENCE: 5  
69 Met Asp Arg Arg Arg Phe Leu Thr Leu Leu Gly Ser Ala Gly Leu Thr  
70 1 5 10 15  
71 Ala Thr Val Ala Thr Ala Gly Thr Ala Lys Ala  
72 20 25  
74 <210> SEQ ID NO: 6  
75 <211> LENGTH: 37  
76 <212> TYPE: PRT  
77 <213> ORGANISM: Artificial Sequence  
W--> 78 <220> FEATURE:  
79 <223> OTHER INFORMATION: signal sequence  
W--> 80 <400> SEQUENCE: 6  
81 Met Ser Glu Lys Asp Lys Met Ile Thr Arg Arg Asp Ala Leu Arg Asn  
82 1 5 10 15  
83 Ile Ala Val Val Val Gly Ser Val Ala Thr Thr Thr Met Met Gly Val  
84 20 25 30  
85 Gly Val Ala Asp Ala  
86 35  
88 <210> SEQ ID NO: 7  
89 <211> LENGTH: 34  
90 <212> TYPE: PRT  
91 <213> ORGANISM: Artificial Sequence  
W--> 92 <220> FEATURE:  
93 <223> OTHER INFORMATION: signal sequence  
W--> 94 <400> SEQUENCE: 7  
95 Met Gln Ile Val Asn Leu Thr Arg Arg Gly Phe Leu Lys Ala Ala Cys  
96 1 5 10 15  
97 Val Val Thr Gly Gly Ala Leu Ile Ser Ile Arg Met Thr Gly Lys Ala  
98 20 25 30  
99 Val Ala  
102 <210> SEQ ID NO: 8

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103 <211> LENGTH: 45  
104 <212> TYPE: PRT  
105 <213> ORGANISM: Artificial Sequence  
W--> 106 <220> FEATURE:  
107 <223> OTHER INFORMATION: signal sequence  
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109 Met Asn Asn Glu Glu Thr Phe Tyr Gln Ala Met Arg Arg Gln Gly Val  
110 1 5 10 15  
111 Thr Arg Arg Ser Phe Leu Lys Tyr Cys Ser Leu Ala Ala Thr Ser Leu  
112 20 25 30  
113 Gly Leu Gly Ala Gly Met Ala Pro Lys Ile Ala Trp Ala  
114 35 40 45  
116 <210> SEQ ID NO: 9  
117 <211> LENGTH: 48  
118 <212> TYPE: PRT  
119 <213> ORGANISM: Artificial Sequence  
W--> 120 <220> FEATURE:  
121 <223> OTHER INFORMATION: signal sequence  
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123 Met Ser Thr Gly Thr Thr Asn Leu Val Arg Thr Leu Asp Ser Met Asp  
124 1 5 10 15  
125 Phe Leu Lys Met Asp Arg Arg Thr Phe Met Lys Ala Val Ser Ala Leu  
126 20 25 30  
127 Gly Ala Thr Ala Phe Leu Gly Thr Tyr Gln Thr Glu Ile Val Asn Ala  
128 35 40 45  
130 <210> SEQ ID NO: 10  
131 <211> LENGTH: 50  
132 <212> TYPE: PRT  
133 <213> ORGANISM: Artificial Sequence  
W--> 134 <220> FEATURE:  
135 <223> OTHER INFORMATION: signal peptide  
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137 Met Lys Cys Tyr Ile Gly Arg Gly Lys Asn Gln Val Glu Glu Arg Leu  
138 1 5 10 15  
139 Glu Arg Arg Gly Val Ser Arg Arg Asp Phe Met Lys Phe Cys Thr Ala  
140 20 25 30  
141 Val Ala Val Ala Met Gly Met Gly Pro Ala Phe Ala Pro Lys Val Ala  
142 35 40 45  
143 Glu Ala  
144 50  
146 <210> SEQ ID NO: 11  
147 <211> LENGTH: 26  
148 <212> TYPE: PRT  
149 <213> ORGANISM: Artificial Sequence  
W--> 150 <220> FEATURE:  
151 <223> OTHER INFORMATION: signal sequence  
W--> 152 <400> SEQUENCE: 11  
153 Met Asn Arg Arg Asn Phe Ile Lys Ala Ala Ser Cys Gly Ala Leu Leu  
154 1 5 10 15

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Input Set : A:\pto.kd.txt  
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155 Thr Gly Ala Leu Pro Ser Val Ser His Ala  
156 20 25  
158 <210> SEQ ID NO: 12  
159 <211> LENGTH: 44  
160 <212> TYPE: PRT  
161 <213> ORGANISM: Artificial Sequence  
W--> 162 <220> FEATURE:  
163 <223> OTHER INFORMATION: signal sequence  
W--> 164 <400> SEQUENCE: 12  
165 Met Ser His Ala Asp Glu His Ala Gly Asp His Gly Ala Thr Arg Arg  
166 1 5 10 15  
167 Asp Phe Leu Tyr Tyr Ala Thr Ala Gly Ala Gly Thr Val Ala Ala Gly  
168 20 25 30  
169 Ala Ala Ala Trp Thr Leu Val Asn Gln Met Asn Pro  
170 35 40  
172 <210> SEQ ID NO: 13  
173 <211> LENGTH: 44  
174 <212> TYPE: PRT  
175 <213> ORGANISM: Artificial Sequence  
W--> 176 <220> FEATURE:  
177 <223> OTHER INFORMATION: signal sequence  
W--> 178 <400> SEQUENCE: 13  
179 Met Thr Gln Ile Ser Gly Ser Pro Asp Val Pro Asp Leu Gly Arg Arg  
180 1 5 10 15  
181 Gln Phe Met Asn Leu Leu Thr Phe Gly Thr Ile Thr Gly Val Ala Ala  
182 20 25 30  
183 Gly Ala Leu Tyr Pro Ala Val Lys Tyr Leu Ile Pro  
184 35 40  
186 <210> SEQ ID NO: 14  
187 <211> LENGTH: 32  
188 <212> TYPE: PRT  
189 <213> ORGANISM: Artificial Sequence  
W--> 190 <220> FEATURE:  
191 <223> OTHER INFORMATION: signal sequence  
W--> 192 <400> SEQUENCE: 14  
193 Met Asp Arg Arg Thr Phe Leu Arg Leu Tyr Leu Leu Val Gly Ala Ala  
194 1 5 10 15  
195 Ile Ala Val Ala Pro Val Ile Lys Pro Ala Leu Asp Tyr Val Gly Tyr  
196 20 25 30  
198 <210> SEQ ID NO: 15  
199 <211> LENGTH: 42  
200 <212> TYPE: PRT  
201 <213> ORGANISM: Artificial Sequence  
W--> 202 <220> FEATURE:  
203 <223> OTHER INFORMATION: signal sequence  
W--> 204 <400> SEQUENCE: 15  
205 Met Thr Lys Leu Ser Gly Gln Glu Leu His Ala Glu Leu Ser Arg Arg  
206 1 5 10 15  
207 Ala Phe Leu Ser Tyr Thr Ala Ala Val Gly Ala Leu Gly Leu Cys Gly

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Input Set : A:\pto.kd.txt  
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208	20	25	30
209	Thr Ser Leu Leu Ala Gln Gly Ala Arg Ala		
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212	<210> SEQ ID NO: 16		
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215	<213> ORGANISM: Artificial Sequence		
W--> 216	<220> FEATURE:		
217	<223> OTHER INFORMATION: signal sequence		
W--> 218	<400> SEQUENCE: 16		
219	Met Thr Leu Thr Arg Arg Glu Phe Ile Lys His Ser Gly Ile Ala Ala		
220	1 5 10 15		
221	Gly Ala Leu Val Val Thr Ser Ala Ala Pro Leu Pro Ala Trp Ala		
222	20 25 30		
224	<210> SEQ ID NO: 17		
225	<211> LENGTH: 31		
226	<212> TYPE: PRT		
227	<213> ORGANISM: Artificial Sequence		
W--> 228	<220> FEATURE:		
229	<223> OTHER INFORMATION: signal sequence		
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231	Met Thr Ile Ser Arg Arg Asp Leu Leu Lys Ala Gln Ala Ala Gly Ile		
232	1 5 10 15		
233	Ala Ala Met Ala Ala Asn Ile Pro Leu Ser Ser Gln Ala Pro Ala		
234	20 25 30		
236	<210> SEQ ID NO: 18		
237	<211> LENGTH: 32		
238	<212> TYPE: PRT		
239	<213> ORGANISM: Artificial Sequence		
W--> 240	<220> FEATURE:		
241	<223> OTHER INFORMATION: signal sequence		
W--> 242	<400> SEQUENCE: 18		
243	Met Ser Glu Ala Leu Ser Gly Arg Gly Asn Asp Arg Arg Lys Phe Leu		
244	1 5 10 15		
245	Lys Met Ser Ala Leu Ala Gly Val Ala Gly Val Ser Gln Ala Val Gly		
246	20 25 30		
248	<210> SEQ ID NO: 19		
249	<211> LENGTH: 45		
250	<212> TYPE: PRT		
251	<213> ORGANISM: Artificial Sequence		
W--> 252	<220> FEATURE:		
253	<223> OTHER INFORMATION: signal sequence		
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255	Met Lys Thr Lys Ile Pro Asp Ala Val Leu Ala Ala Glu Val Ser Arg		
256	1 5 10 15		
257	Arg Gly Leu Val Lys Thr Thr Ala Ile Gly Gly Leu Ala Met Ala Ser		
258	20 25 30		
259	Ser Ala Leu Thr Leu Pro Phe Ser Arg Ile Ala His Ala		
260	35 40 45		

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/522,427

DATE: 03/01/2005

TIME: 10:00:51

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\03012005\J522427.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:5 M:283 W: Missing Blank Line separator, <130> field identifier  
L:6 M:270 C: Current Application Number differs, Replaced Current Application No  
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:6 M:283 W: Missing Blank Line separator, <160> field identifier  
L:13 M:283 W: Missing Blank Line separator, <220> field identifier  
L:15 M:283 W: Missing Blank Line separator, <400> field identifier  
L:25 M:283 W: Missing Blank Line separator, <220> field identifier  
L:27 M:283 W: Missing Blank Line separator, <400> field identifier  
L:40 M:283 W: Missing Blank Line separator, <220> field identifier  
L:42 M:283 W: Missing Blank Line separator, <400> field identifier  
L:54 M:283 W: Missing Blank Line separator, <220> field identifier  
L:56 M:283 W: Missing Blank Line separator, <400> field identifier  
L:66 M:283 W: Missing Blank Line separator, <220> field identifier  
L:68 M:283 W: Missing Blank Line separator, <400> field identifier  
L:78 M:283 W: Missing Blank Line separator, <220> field identifier  
L:80 M:283 W: Missing Blank Line separator, <400> field identifier  
L:92 M:283 W: Missing Blank Line separator, <220> field identifier  
L:94 M:283 W: Missing Blank Line separator, <400> field identifier  
L:106 M:283 W: Missing Blank Line separator, <220> field identifier  
L:108 M:283 W: Missing Blank Line separator, <400> field identifier  
L:120 M:283 W: Missing Blank Line separator, <220> field identifier  
L:122 M:283 W: Missing Blank Line separator, <400> field identifier  
L:134 M:283 W: Missing Blank Line separator, <220> field identifier  
L:136 M:283 W: Missing Blank Line separator, <400> field identifier  
L:150 M:283 W: Missing Blank Line separator, <220> field identifier  
L:152 M:283 W: Missing Blank Line separator, <400> field identifier  
L:162 M:283 W: Missing Blank Line separator, <220> field identifier  
L:164 M:283 W: Missing Blank Line separator, <400> field identifier  
L:176 M:283 W: Missing Blank Line separator, <220> field identifier  
L:178 M:283 W: Missing Blank Line separator, <400> field identifier  
L:190 M:283 W: Missing Blank Line separator, <220> field identifier  
L:192 M:283 W: Missing Blank Line separator, <400> field identifier  
L:202 M:283 W: Missing Blank Line separator, <220> field identifier  
L:204 M:283 W: Missing Blank Line separator, <400> field identifier  
L:216 M:283 W: Missing Blank Line separator, <220> field identifier  
L:218 M:283 W: Missing Blank Line separator, <400> field identifier  
L:228 M:283 W: Missing Blank Line separator, <220> field identifier  
L:230 M:283 W: Missing Blank Line separator, <400> field identifier  
L:240 M:283 W: Missing Blank Line separator, <220> field identifier  
L:242 M:283 W: Missing Blank Line separator, <400> field identifier  
L:252 M:283 W: Missing Blank Line separator, <220> field identifier  
L:254 M:283 W: Missing Blank Line separator, <400> field identifier  
L:266 M:283 W: Missing Blank Line separator, <220> field identifier  
L:268 M:283 W: Missing Blank Line separator, <400> field identifier  
L:280 M:283 W: Missing Blank Line separator, <220> field identifier  
L:282 M:283 W: Missing Blank Line separator, <400> field identifier  
L:292 M:283 W: Missing Blank Line separator, <220> field identifier

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/522,427

DATE: 03/01/2005

TIME: 10:00:51

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\03012005\J522427.raw

L:294 M:283 W: Missing Blank Line separator, <400> field identifier  
L:306 M:283 W: Missing Blank Line separator, <220> field identifier  
L:308 M:283 W: Missing Blank Line separator, <400> field identifier  
L:320 M:283 W: Missing Blank Line separator, <220> field identifier